

Mini Packet Broker

Next generation appliances

Product Overview

In today's modern network architectures, cyber and monitoring tools are required to handle incoming traffic from multiple visibility devices including TAPs, SPAN ports and NPB (Network Packet Broker) appliances. The volume and diversity in the types of traffic can be overwhelming to these tools. Duplicated packets may cause applications to be stretched to the limits of their processing power whereas packets with multiple headers (e.g. MPLS, VLAN tags, ERSPAN etc.) are often unrecognized by these tools and are typically dropped.

The Mini NPB is the most compact and full feature packet broker in the market, ideal for a small number of 1G copper links. It can meet the basic aggregation and filtering requirements as well as advanced features such as Load Balancing Header Stripping, Deduplication, Data Masking, Packet Slicing, Time-Stamping, Data Capture and De-Fragmentation.

Key Features

Affordable Network Packet Broker with advanced features

Compact and portable Network Packet Broker

5 x 1G ports

Aggregation, Filtering, Load Balancing Header Stripping, Deduplication, Data Masking, Packet Slicing, Time Stamping, Capture, De-fragmentation



Use Cases

- Remove duplicated packets to optimize security and monitoring application performance
- Enhance legacy packet broker deployments with advanced features
- Single appliance with basic and advanced packet broker features for small sites
- MPLS stripping to enable monitoring of MPLS networks
- Mask sensitive and private customer information
- GTP inner IP load balancing
- Debug & diagnostic



Features and benefits

Features	benefits
Compact	Compact and portable packet broker with full packet broker functionality and best price / performance in the market
Network Interfaces	5 x 1G copper ports or 3 x 1G copper ports + 2 x 1G SPF pluggable
Aggregation	Aggregate and redirect network traffic from selected ingress ports to egress ports for further processing
Load Balancing	Load balance incoming traffic to several output ports
Filtering	Optimize tools performance by filtering out unnecessary network traffic with conditional 5-tuple filtering (MAC address, EtherType, IP address, TCP Port, UDF)
Port Labelling	Track packet path by adding VLAN tags that indicate its ingress port
Header Stripping	Remove protocol headers (MPLS, VLAN, PPP, QinQ, VN-TAG, GRE, GTP, ERSPAN) and reduce tool resources required for aggregation and filtering
Deduplication	Maximize tool performance by eliminating duplicated packets gathered from multiple collection points that overutilize tool resources, leveraging a superior algorithm based on a window per packet signature and configurable window size
Data Masking	Allows the enterprise to protect sensitive data by overwriting it before it is sent to the tools
Packet Slicing	Improve monitoring and network data analysis performance by reducing packet size and maintaining the required packet slice for further processing
Time Stamping	Enhances network visibility with nanosecond time stamping capabilities
Capture	Capture PCAP files in filter granularity for further analysis
De-Fragmentation	Assemble packet fragments to complete packets
Management	Web UI, CLI, SNMP, Net CONF, REST API

For more information about the products and support programs please contact us at info@cgstowernetworks.com